# SAMSUNG

# THREE-CD CHANGER MINI-COMPACT SYSTEM
# MAX-N22/N25

## Instruction Manual

# Safety Warnings

**CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
PRODUCTO LASER CLASE 1**

**CLASS 1 LASER PRODUCT**

This Compact Disc player is classified as a CLASS 1 LASER product.

**CAUTION**

RISK OF ELECTRIC SHOCK.
DO NOT OPEN

**CAUTION:**
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

**CAUTION-INVISIBLE LASER RADIATION WHEN OPEN AND INTER LOCKS DEFEATED, AVOID EXPOSURE TO BEAM.**
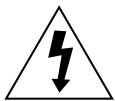
This symbol indicates that dangerous voltage which can cause electric shock is present inside this unit.

This symbol alerts you to important operating and maintenance instructions accompanying the unit.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

**CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

# Contents

(GB)

## Symbols

| Press | Push | Important | Note |
|-------|------|-----------|------|

GB

**35**
**34**
**33**
**32**
**31**
**30**
**29**
**28**
**27**
**26**
**25**
**24**
**23**
**22**
**21**
**20**
**19**
**18**

**1**
**2**
**3**
**4**
**5**
**6**
**7**
**8**
**9**
**10**
**11**
**12**
**13**
**14**
**15**
**16**
**17**

Standby
Demo
Mono/ST
Program/Set
AI Off/Sleep
Timer On/Off
Timer/Clock
Phones
Mic
Mic Volume
MIN
MAX
Band
TUNER
CD
TAPE
AUX
Disc 1
Disc 2
Disc 3
CD Repeat
Disc Change
Preset/Manual
Down
Up
Vol.
S.BASS
Open/Close
Pop
Rock
Classic
Hi Speed
Dubbing
CD Synchro /
CD Track or radio station search

| | |
|---|---|
| 1. **Timer/Clock** | 18. **Play** |
| 2. **Mono/ST** | 19. **Rewind** |
| 3. **On/Standby** | 20. **Fast-Forward** |
| 4. **Program/Set** | 21. **Stop/Eject** |
| 5. **Demo** | 22. **Pause** |
| 6. **AI Off/Sleep** | 23. **Cassette Deck 2** |
| 7 **Timer On/Off** | 24. **CD Track or radio station search** |
| 8. **Headphone Jack Connector** | 25. **Preset/Manual or Stop button** |
| 9. **Mic buttons (option)** | 26. **Disc Change** |
| 10. **CD Repeat** | 27. **S. Bass** |
| 11. **Cassette Deck 1** | 28. **High Speed Dubbing** |
| 12. **CD Synchro/Record (●)** | 29. **Equalizer Selection buttons** |
| 13. **Play** | 30. **CD Compartment Open/Close** |
| 14. **Rewind** | 31. **Power Sound** |
| 15. **Fast-Forward** | 32. **Volume** |
| 16. **Stop/Eject** | 33. **Disc Selection buttons** |
| 17. **Pause** | 34. **Function Selection buttons** |
| | 35. **Compact Disc Compartment** |

# Remote Control
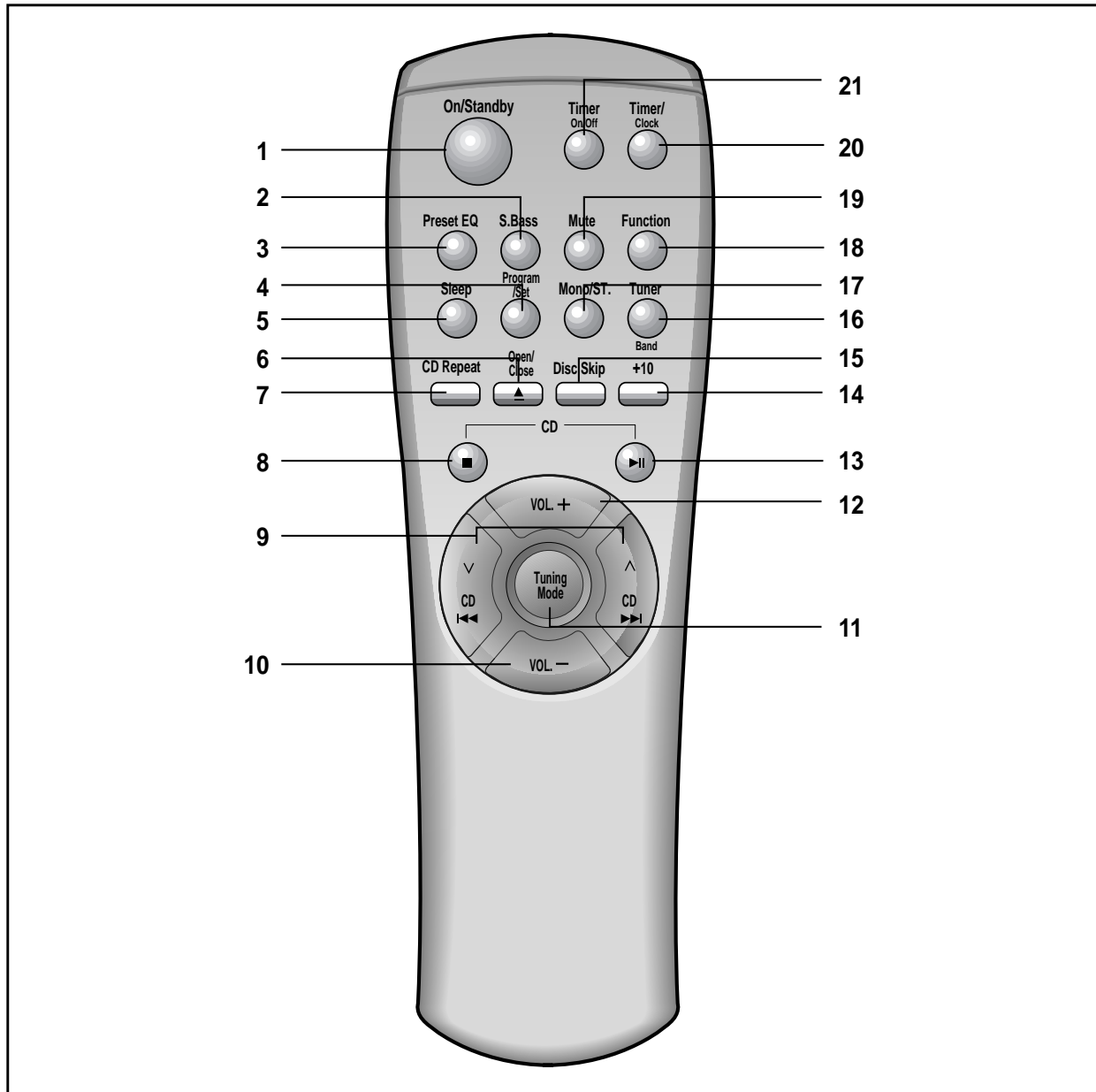
| | |
|---|---|
| 1. On/Standby | 11. Tuning Mode |
| 2. S. Bass | 12. Volume Increase |
| 3. Equalizer Mode Selection | 13. Play Back/Pause |
| 4. Program/Set | 14. Two-Digit Track Selection |
| 5. Sleep | 15. Disc Number Skip |
| 6. Open/Close | 16. Frequency Band Selection |
| 7. CD Track Repeat | 17. Mono/Stereo Selection |
| 8. CD Stop | 18. Function Selection |
| 9. CD Track or Radio Station Search | 19. Mute |
| 10. Volume Decrease | 20. Timer Clock |
| | 21. Timer Switch On and Off |

# Rear Panel View

**MAX-N25**



**MAX-N22**
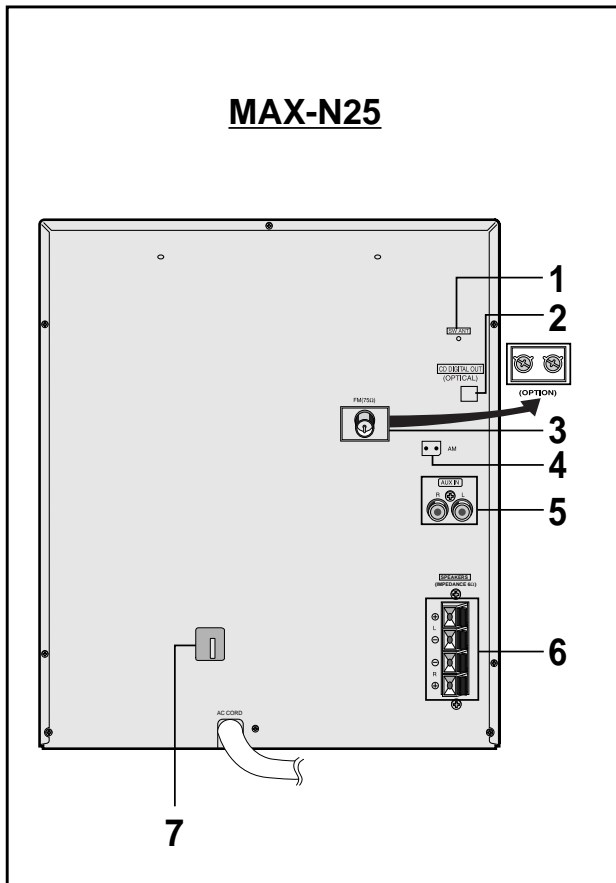


| | |
|---|---|
| 1. SW Aerial Connector Terminal (option) | 1. SW Aerial Connector Terminal (option) |
| 2. CD Digital Out Jack (option) | 2. FM Aerial Connector Terminals |
| 3. FM Aerial Connector Terminals | 3. AM Aerial Connector Terminal |
| 4. AM Aerial Connector Terminal | 4. Aux-Input |
| 5. Aux-Input | 5. Loudspeaker Connector Terminals |
| 6. Loudspeaker Connector Terminals | 6. Voltage Selector (option) |
| 7. Voltage Selector (option) | 7. CD Digital Out Jack (option) |
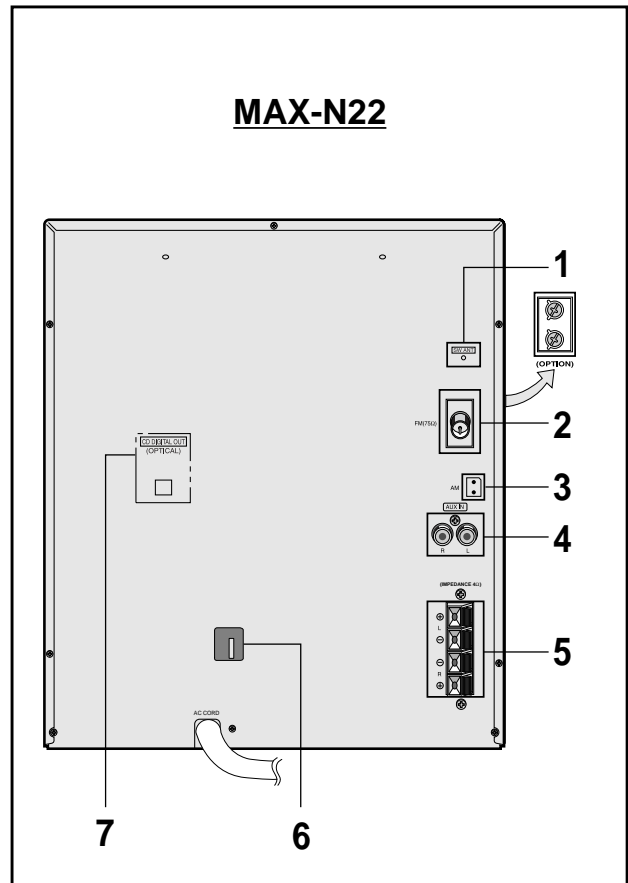
# Where to Install Your Mini-Compact System

**To take full advantage of your new mini-compact system, follow these installation instructions before connecting the unit.**

- ◆ Install the system on a flat, stable surface.
- ◆ Never place this unit on carpeting.
- ◆ Never place this unit in an outdoor area.
- ◆ Maintain an open space of approximately 4 inches (10 cm) on the sides and rear of the system, for ventilation purposes.
- ◆ Make sure that you have enough room to open the compact disc compartment easily.
- ◆ Place the loudspeakers at a reasonable distance on either side of the system to ensure good stereo sound.
- ◆ Direct the loudspeakers towards the listening area.
- ◆ For optimum performance, make sure that both speakers are placed at an equal distance above the floor.
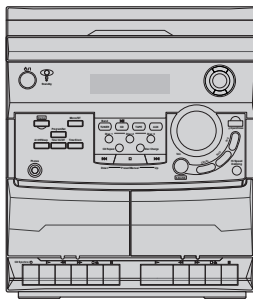


# Inserting Remote Control Batteries

**Insert or replace remote control batteries when you:**

- ◆ Purchase the mini-compact system
- ◆ Find that the remote control is no longer operating correctly

☞ When replacing the batteries, use a new set of batteries and never mix alkaline and manganese batteries.

**1** Place your thumb on the position marked ▼ on the battery compartment cover (rear of the remote control) and push the cover in the direction of the arrow.

**2** Insert two AAA, LR03 or equivalent batteries, taking care to respect the polarities:
- ◆ + on the battery against + on the remote control
- ◆ – on the battery against - on the remote control

**3** Replace the cover by sliding it back until it clicks into position.
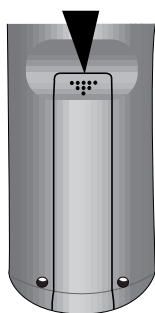
# Connecting the Loudspeakers

**The loudspeaker connector terminals are located on the rear of the system.**

**There are four terminals on the system:**
- ◆ Two for the left speaker (marked L)
- ◆ Two for the right speaker (marked R)

**To achieve the correct sound quality, connect the:**
- ◆ Red wire to the + terminals
- ◆ Black wire to the - terminals

**1** To connect a wire to a terminal, push the tab as far as it will go:
- ◆ To the right on the system

**2** Insert the wire, up to the plastic sheathing, in the hole.

**3** Push the tab back:
- ◆ To the left on the system, until it clicks into place
Result: The wire is pinched and held firmly in place.

**4** Repeat the operation for each wire.
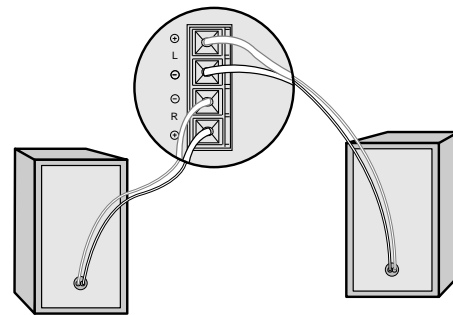


# Connecting Your System to the Power Supply

**The main lead must be plugged into an appropriate socket.**

☞ Before plugging your system into a main socket, you must check the voltage setting (OPTIONAL). If the voltage of the socket does not correspond to the setting on the rear of the unit, you may seriously damage your system.

**1** Check the position of the voltage selector on the rear of the system (OPTIONAL).

**2** Plug the main lead (marked **AC Cord** on the rear of the system) into an appropriate socket.

**3** Press the **On/Standby** button to switch your mini-component system on.

**GB**
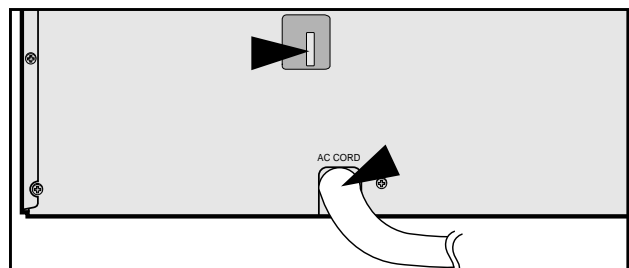
**The AM aerial (for long and medium waves) can be:**
♦ Placed on a stable surface
♦ Fixed to the wall
The **AM** aerial connector terminals are located on the rear of the system and are marked **AM**.

☞ To avoid noise interference, check that the loudspeaker wires do not run close to the aerial wires.
Always keep them at least 2 inches (5 cm) away.

**There are two types of aerial, (depending on option chosen).**

**1** **How to connect a COAXIAL TYPE aerial.**
♦ Connect a 75Ω antenna to the **FM** antenna terminal.
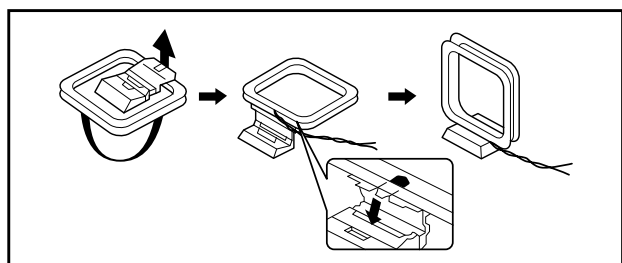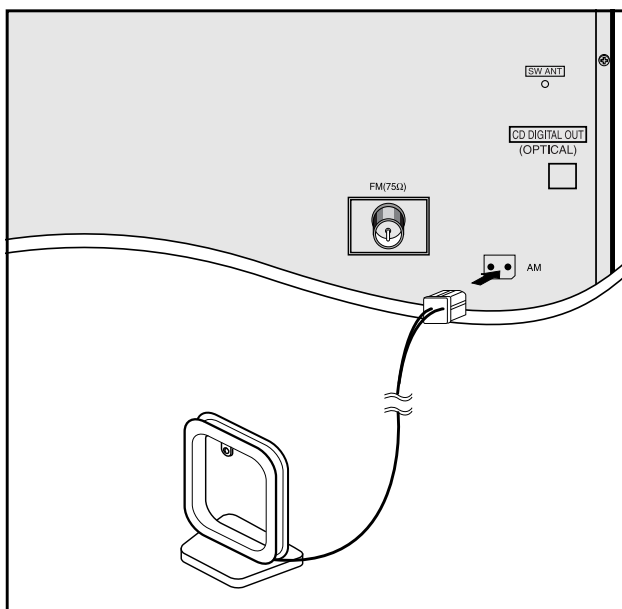♦ Plug the connector on the **FM** aerial supplied into the coaxial socket (75Ω) marked **FM** on the rear of the system.
♦ Follow the instructions given on **Page 13** to tune into a radio station, and determine the best position for the aerial.
♦ If reception is poor, you may need to install an outdoor aerial. To do so, connect an outdoor **FM** aerial to the **FM** socket on the rear of the system using a 75Ω coaxial cable (not supplied).



SW ANT
CD DIGITAL OUT (OPTICAL)
FM(75Ω)
AM



FM AERIAL (supplied)    75Ω COAXIAL CABLE (not supplied)
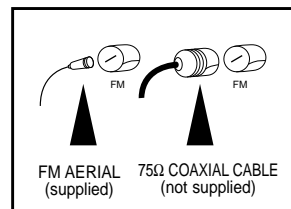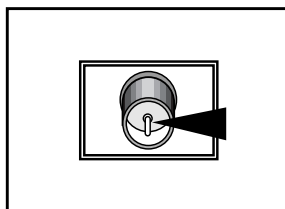
**2** **How to connect a SCREW TYPE aerial.**
♦ The **FM** aerial connector terminals are located on the rear of the system and marked **FM** (75Ω).
♦ Spread the T.form **FM** aerial out and attach the ends to a wall, in the position providing the best reception.
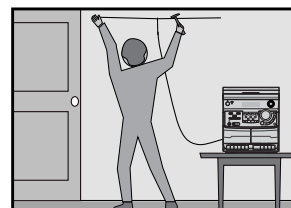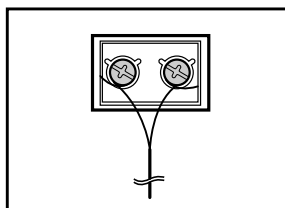
**How to connect a WIRE TYPE aerial.**
♦ Spread the **SW** aerial out and attach the ends to a wall, in the position providing the best reception.
♦ If reception is poor (e.g. distance from transmitter too great, walls blocking the radio waves, etc.), install an outdoor aerial.



SW ANT
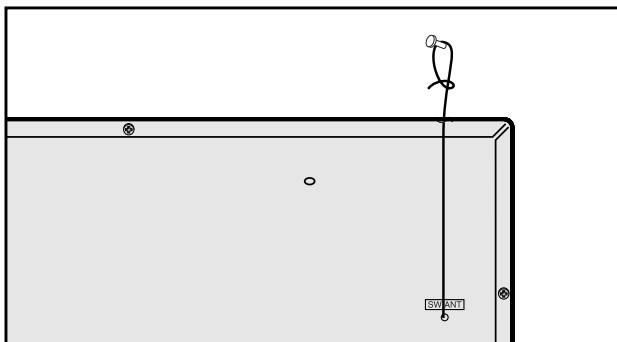
# Menu System

**To select the basic functions on your mini-component system (radio, compact disc, cassette or auxiliary source), press the corresponding buttons on the front panel or FUNCTION on the remote control.**

**Depending on the feature that you select, the multi-function buttons illuminate.**

**1** Switch the system on by pressing **On/Standby**.
Result: The function selected just before the system was last switched off is reactivated.

**2** Press **Function** the appropriate number of times to select one of the 4 functions available:
◆ TUNER (radio)
◆ CD (compact disc)
◆ TAPE (cassette)
◆ AUX (auxiliary source)
Result: The various sub-options available are indicated by the symbols displayed on the multi-function buttons; these symbols change according to the function that you select.



# Viewing the Various Functions on Your System

**You can view the various functions available on your system.**

**1** Press the **Demo** button.
Result: The various functions available are listed in turn on the display.

➤ All these functions are described in detail in this booklet. For instructions on how to use them, refer to the appropriate sections.

**2** To cancel this function, press **Demo** again.

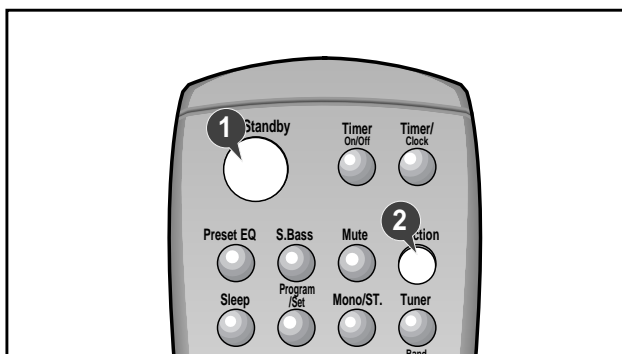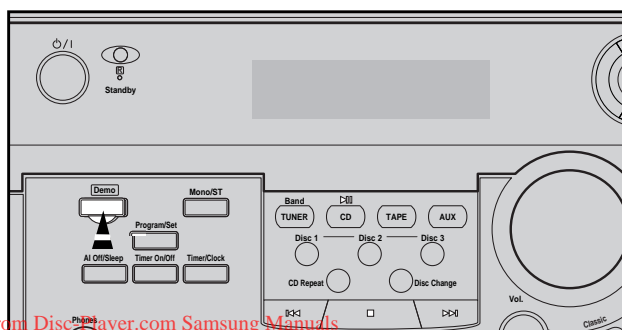# Setting the Clock

**Your system is equipped with a clock which allows you to turn your system on and off automatically. You should set the clock:**
◆ When you purchase the mini-compact system
◆ After a power failure
◆ After unplugging the unit

☞ ◆ Remember to reset the time when the clock changes from winter to summer time and vice verse.
◆ For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

**1** Switch the system on by pressing **On/Standby**.

**2** Press **Timer/Clock** twice.
Result: **CLOCK** is displayed.

**3** Press **Program/Set**.
Result: The hour flashes.

**4**

| To... | Press... |
|---|---|
| Increase the hours | PRESET/MANUAL UP |
| Decrease the hours | PRESET/MANUAL DOWN |

**5** When the correct hour is displayed, press **Program/Set**.
Result: The minutes flash.

**6**

| To... | Press... |
|---|---|
| Increase the minutes | PRESET/MANUAL UP |
| Decrease the minutes | PRESET/MANUAL DOWN |

**7** When the correct time is displayed, press **Program/Set**.
Result: The clock starts and is displayed, even when the system is in standby mode.

➤ You can display the time, even when you are using another function, by pressing **Timer/Clock** once.
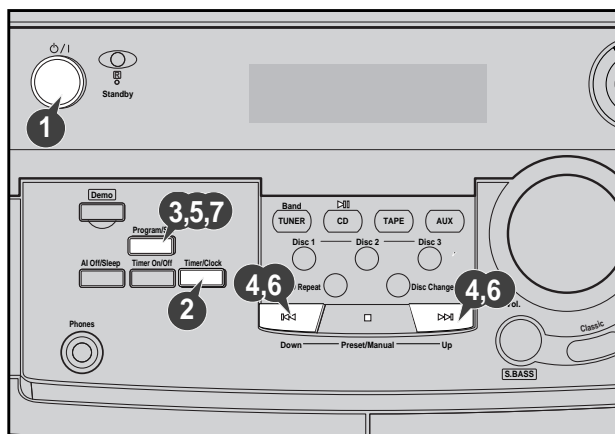
# Loading and Changing Compact Discs

**The CD disc changer can contain up to three 12 cm or 8 cm compact discs without using an adapter.**

☛ Never force the compact disc carrousel when opening and closing the compartment.

Never press down or place objects on the carrousel.

➤ Always treat your compact discs with care; refer, if necessary, to the section entitled **"Precautions When Using Compact Discs"** on **page 21**.

**1** Switch the system on by pressing **On/Standby**.

**2** Press the **Open/Close** button on the front panel (or ▲ on the remote control).
Result: The compartment opens.

**3** Place one or two discs in the front slots of the carrousel, with the label on the discs facing upwards.
☛ Check that the compact disc has been correctly inserted in the holder before closing the compartment.

**4** If you wish to load a third compact disc, press the **Disc Change** button on the front panel (or **Disc Skip** on the remote control).
Result: The carrousel rotates by 120°.

**5** Close the compartment by pressing the **Open/Close** button again.
➤ If you wish to start playing a disc directly, you can also proceed as follows.

| To play... | Press... |
| --- | --- |
| Disc 1 ······························ | CD ( ►❙❙ ) or Disc 1 |
| Disc 2 ······························ | Disc 2 |
| Disc 3 ······························ | Disc 3 |

Result: The compartment closes automatically and the disc selected starts playing.

**6** To change or unload the compact disc changer, repeat Steps **2** to **5**.

☛ Keep the compartment closed whenever you are not using it, to prevent dust from entering.

➤ You can load or unload compact discs when the radio, tape or auxiliary source function is selected.
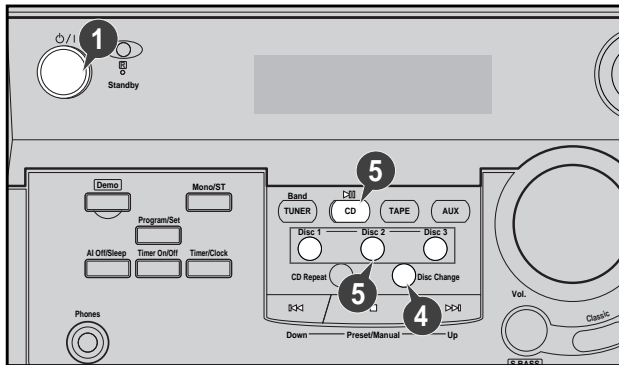
# Listening to a Compact Disc

**When you have loaded at least one compact disc into the player, you can start listening to it.**

➤ Always treat your compact discs with care; refer, if necessary, to the section entitled **"Precautions When Using Compact Discs"** on **page 21**.

**1** Switch the system on by pressing **On/Standby**.

**2** Select the CD function by pressing **CD** on the front panel or **Function** one or more times on the remote control.

**3** Load one or more discs.

**4** Press CD ( ►❙❙ ) on the front panel or ►❙❙ on the remote control.

➤ If you have loaded more than one compact disc, they will be played in turn.

**5** Adjust the volume as required by:
♦ Turning the **Vol.** knob on the front panel
or
♦ Pressing the **VOL.** + or - buttons on the remote control

**6** To pause temporarily during playback, press **CD** ( ►❙❙ ).

➤ Press **CD** ( ►❙❙ ) again to continue disc playback.

**7** Press ■ when you have finished.

➤ ♦ When playing a disc, you can load new discs without stopping the current one. To do so, open the compartment by pressing **Disc Change** and load new discs in the other two vacant slots (not the one containing the disc that you are playing). You cannot rotate the carrousel during playback.
♦ When no discs are loaded, the **"NO DISC"** indication is displayed.
♦ The CD player stops automatically after playing the three discs, if the CD REPEAT function has not been selected.
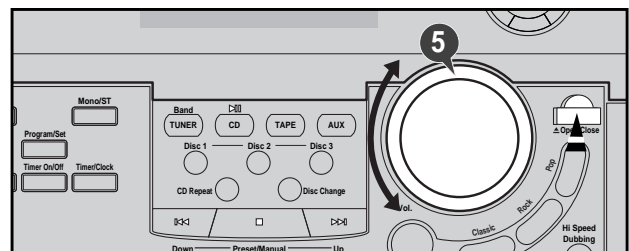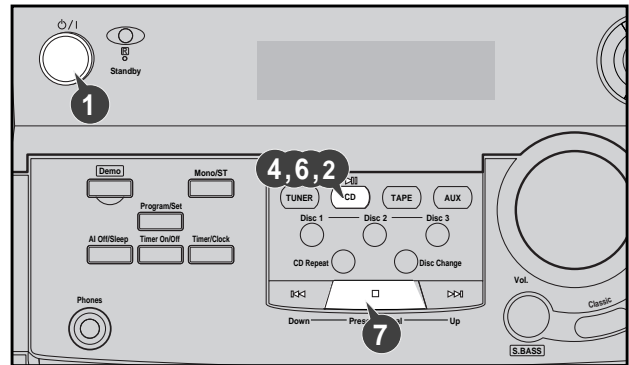
## Selecting a Disc in the CD changer

**The CD function is automatically selected when DISC SKIP is pushed.**

To select a specific disc, press the corresponding **Disc (1, 2, 3)** button on the front panel or **Disc Skip** on the remote control, until the required disc indicator flashes.
<u>Result:</u> All the discs will be played in turn, starting with the one selected.

➤ If you wish to play the current disc only, press **CD Repeat** on the remote control one or more times, until DISC is displayed.

➤ ♦ If you use the **Disc (1, 2, 3)** function when listening to the radio or to a tape, the system switches automatically to the CD mode.
   ♦ If the disc selected is not loaded, the next disc is played automatically.
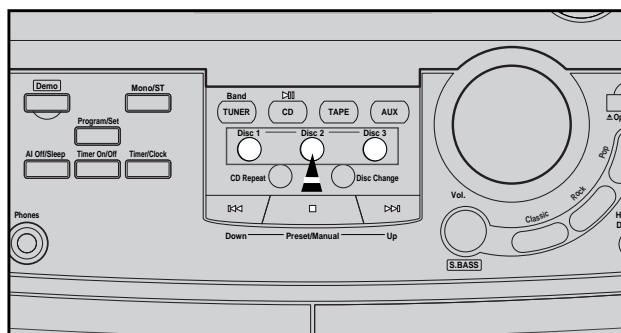
## Selecting a Track with a Two-Digit Number

**To select a track with a two-digit number faster, use the +10 key button.**

**1** For example, to select the track no.25.

**2** Press **+10** two times.
<u>Result:</u> The tens (10, 20 and so on) are displayed.

**3** Press ⏭ five times.
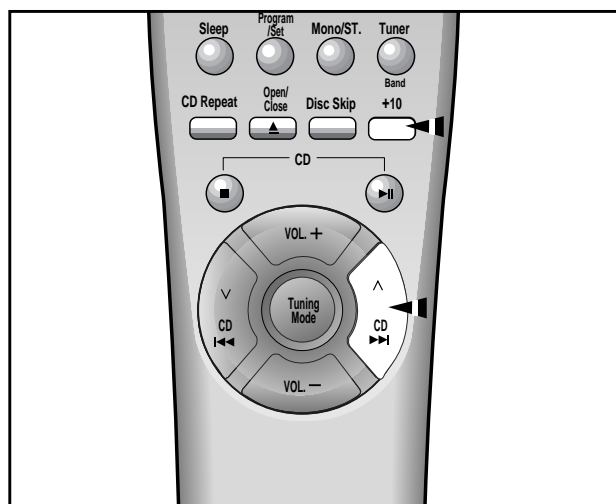
## Selecting a Track

**You can select the track you wish to listen to, either when the compact disc player is stopped or when a disc is playing.**

| To start playback at the beginning of the... | Press... |
| --- | --- |
| Next track | ⏭ |
| Current track | ⏮ |
| Previous track | ⏮ twice |
| Track of your choice | ⏮ or ⏭ the appropriate number of times. |

➤ ♦ You can also use ⏮ and ⏭ buttons on the remote control.
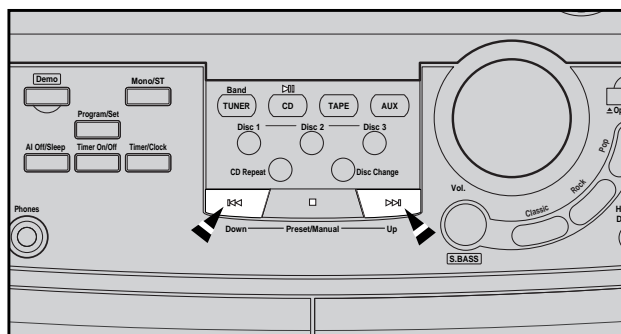
## Searching for a Specific Music Passage on a CD

**When listening to a compact disc, you can quickly search for a specific music passage on a track.**

➤ It is recommended that you turn the volume down before using this function.

| To search through the tracks... | Press and hold down... |
| --- | --- |
| Forwards | ⏭ for at least one second |
| Backwards | ⏮ for at least one second |

## Repeating One or All Tracks on the Compact Discs

**You can repeat indefinitely:**
♦ A specific track on a compact disc.
♦ All tracks on the compact disc selected.
♦ All discs loaded in the carrousel

**1**

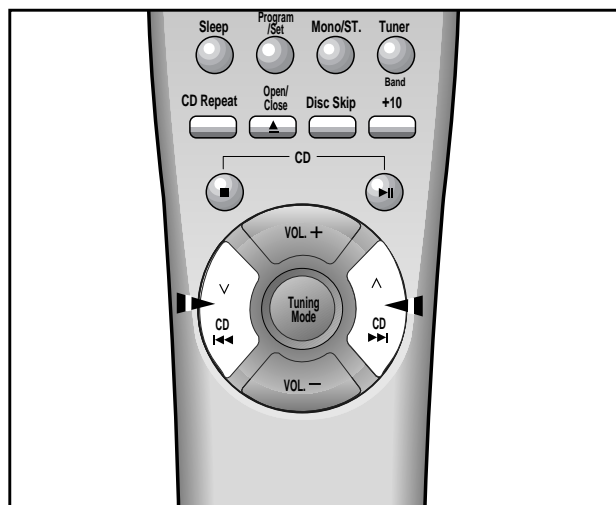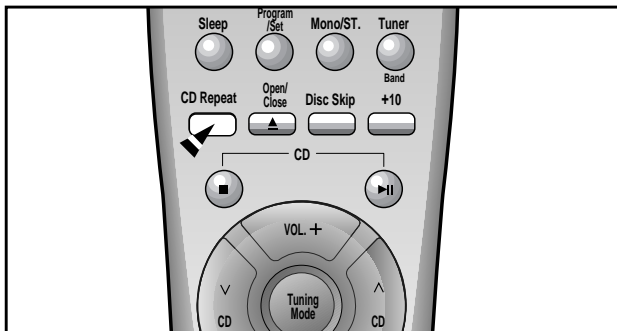| To repeat... | Press CD REPEAT on the REMOTE CONTROL one or more times until... |
|---|---|
| The current track indefinitely ..... | **REPEAT 1** is displayed |
| The selected disc ................... | **REPEAT DISC** is displayed |
| All discs loaded ..................... | **REPEAT DISC ALL** is displayed |

**2** When you wish to stop the Repeat function, press **CD Repeat** until DISC ALL or DISC is displayed, or press ■ .

## Programming the Order of Playback

**You can decide:**
♦ The order in which you listen to the tracks on the discs loaded
♦ Which tracks you do not wish to listen to
➣   ♦ You can programme up to 24 tracks.
     ♦ You must stop the compact disc player before selecting the tracks.
     ♦ This feature can be combined with the Repeat function.

**1** If the CD function is selected, stop the player by pressing ■ .

**2** Load the selected CDs.

**3** Press **Program/Set**.
Result: The following indications are displayed:

$$_{01}PR \ DI. --$$

(01 = Programme n°, DI = Disc n°, – – = Track n° on the disc)

**4** If necessary, select the disc containing the required track by pressing the corresponding **Disc (1, 2, 3)** button.

**5** Select the required track by pressing:
♦ ◄◄ to move back through the tracks
♦ ►► to move forward through the tracks

**6** Press **Program/Set** to confirm your selection.
Result: The selection is stored and $_{02}PR \ DI. --$ is displayed.

**7** To select other tracks, repeat Steps **4** to **6**.

**8** Press ►ıı to listen to the track selection in the order programmed.

**9**

| To... | Press... |
|---|---|
| Listen to the current track again ......... | ◄◄ once |
| Listen to the previous track ................. | ◄◄ twice |
| Listen to the next track ....................... | ►► once |
| Skip forwards or backwards ............... one or more tracks | ►► or ◄◄ the appropriate number of times |

**10** To cancel the selection, press ■ .
♦ Once if the compact disc player is stopped
Result: **PROGRAM** is no longer displayed.

➣   ♦ If you open the compartment, the selection is cancelled.
     ♦ If you select the number of a disc which is not loaded or a track which does not exist on the CD, the selection skips to the next programmed track.
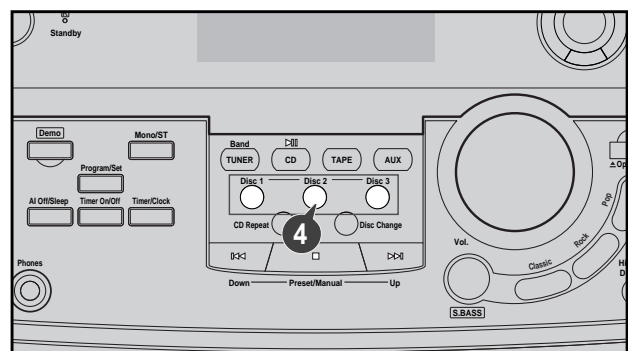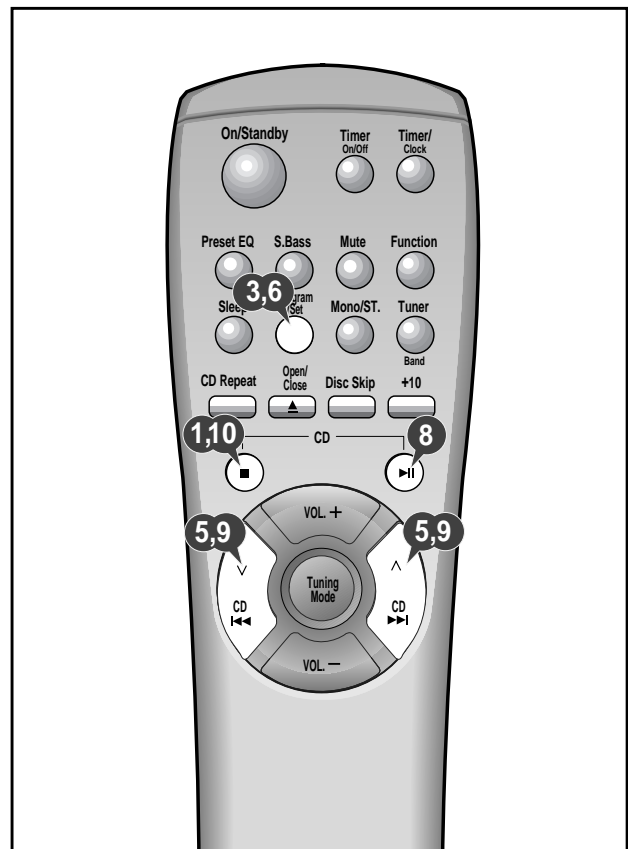
## Checking or Changing Programmed Tracks

**You can check or change your selection of tracks at any time.**

**1** Press ■ once if you have started listening to the selection.

**2** Press **Program/Set**.
➤ If you have already programmed 24 tracks, **CH** is displayed instead of **PR** when you press **Program/Set**.

**3** Press **Program/Set** again.
Result: The first track selected is displayed, together with the letter **CH** (Change).

**4** Press **Program/Set** one or more times until the track to be changed is displayed.

**5** If necessary, press the corresponding **Disc (1, 2, 3)** button to change discs.

**6** Press **TUNING** ∨ and ∧ to select a different track.

**7** Press **Program/Set** to confirm your change.

**8** Press CD ( ▶❙❙ ) to start listening to the selection.
Result: The first track selected is played.
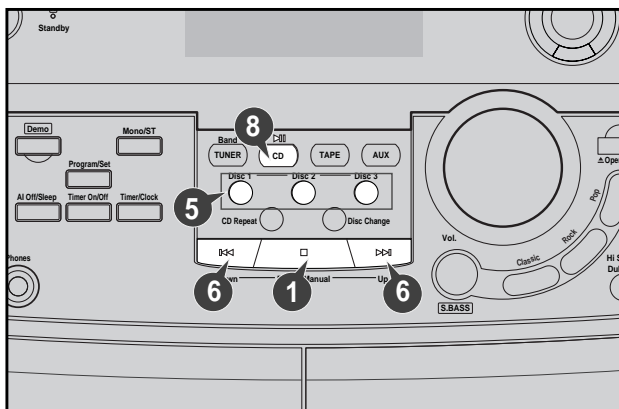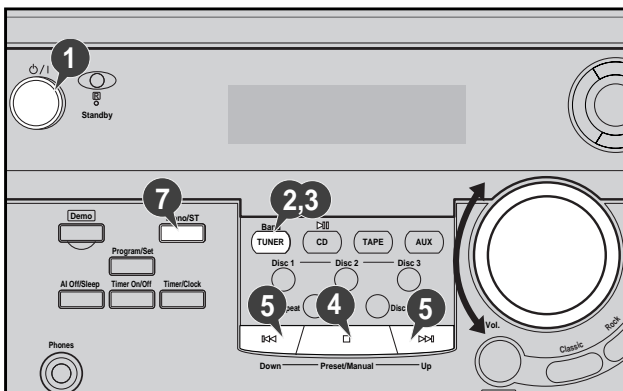
## Searching for and Storing the Radio Stations

**You can store up to:**
- ♦ 15 FM stations ⎤
- ♦ 15 AM stations ⎦ (option)
- ♦ 15 FM stations ⎤
- ♦ 8 MW stations ⎬ (option)
- ♦ 7 LW stations ⎦
- ♦ 15 FM stations ⎤
- ♦ 5 MW stations ⎟
- ♦ 5 SW1 stations ⎬ (option)
- ♦ 5 SW2 stations ⎦

**1** Switch the system on by pressing **On/Standby**.

**2** Select the TUNER function by pressing **TUNER** on the front panel or **Function** on the remote control one or more times.

**3** Select the required frequency band by pressing **TUNER** again on the front panel or **Band** on the remote control.
Result: The appropriate indication is displayed:

| | |
|---|---|
| ♦ **FM** | Frequency Modulation |
| ♦ **AM(MW)** | Medium Wave |
| ♦ **LW(OPTION)** | Long Wave |
| ♦ **SW1, SW2(OPTION)** | Short Wave |

**4**

| To search for a station... | Press Preset/Manual on the front panel or Tuning Mode on the remote control |
|---|---|
| Manually ·················· | One or more times until **MANUAL** is displayed. |
| Automatically ··············· | One or more times until **AUTO** is displayed. |

**5** Select the station to be stored by:
- ♦ Pressing **Preset/Manual Down** or **Up** on the front panel
  or
- ♦ Pressing **Tuning** ∨ or ∧ on the remote control

- ♦ To scroll through the frequencies faster when searching manually, hold down the **Preset/Manual Down** or **Up** buttons.
- ♦ The automatic search procedure may stop on a frequency that does not correspond to a radio station. If this happens, use the manual search mode.

**6** Adjust the volume by:
- ♦ Turning the **Vol.** knob on the front panel
  or
- ♦ Pressing the **VOL. +** or **–** buttons on the remote control

**7** Select the stereo or mono mode by pressing **Mono/ST**.

**8** If you do not want to store the radio station found, revert to Step 4 and search for another station.
Otherwise:

**a** Press **Program/Set**.
Result: The programme number and **PROGRAM** are displayed for a few seconds.

**b** Press **Preset/Manual Down** and **Up** to assign a programme number between 1 and 15.

**c** Press **Program/Set** to store the radio station.
Result: PROGRAM is no longer displayed and the station is stored.

**9** To store any other radio frequencies required, repeat Steps **3** to **8**.

➤ The PROGRAM function can be used to assign a new station to an existing programme number.
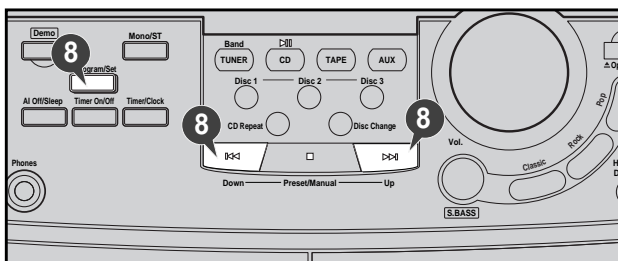


# Selecting a Stored Station

**You can listen to a stored radio station as follows:**

**1** Switch the system on by pressing **On/Standby**.

**2** Select the TUNER function by pressing **TUNER** on the front panel or **Function** on the remote control one or more times.

**3** Select the required frequency band by pressing **Tuner Band** on the remote control or **TUNER** again on the front panel.

**4** Press the **Tuning Mode** button until "**PRESET**" is displayed.

**5** Select the radio station as follows.

| To listen to ... | Press ... |
| --- | --- |
| Stored station | **Tuning** ∨ and ∧ to select the required programme. |
| Another station | **Tuning** ∨ and ∧ until the required frequency is displayed. |

➤ Press **Tuning Mode** again to exit the stored station selection function.
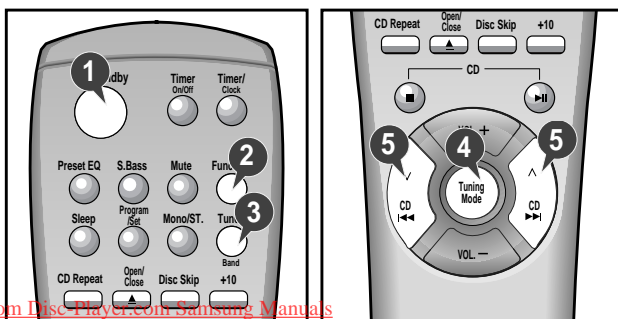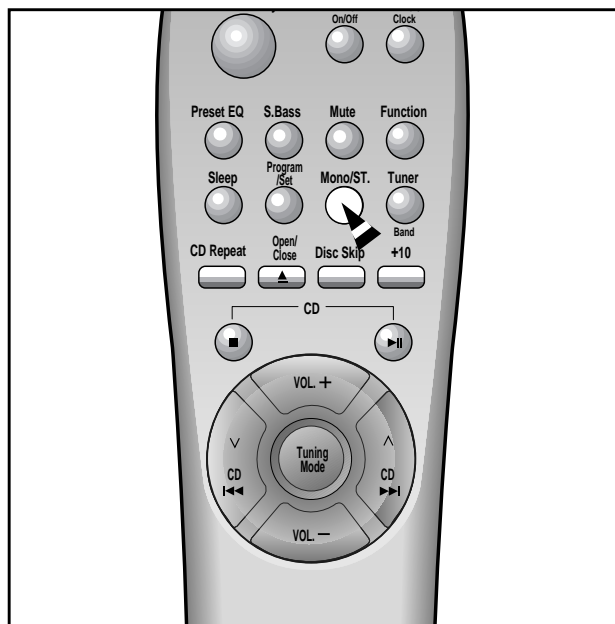


# Improving Radio Reception

**You can improve the quality of radio reception by:**
♦ Rotating the FM or AM(MW) aerial
♦ Testing the positions of the FM and AM(MW) aerials before fixing them permanently

➤ If reception from a specific FM radio station is poor, press **Mono/ST.** to switch from stereo mode to mono. The quality of the sound will be improved.

# Listening to a Cassette

➣ ♦ When you press one of the tape deck's buttons, except for
  **Stop/Eject** button it remain in the down position. It returns to
  its original position automatically when the function is completed or
  you cancel the command.

  ♦ Always treat your cassettes with care; refer, if necessary, to
  the section entitled "**Precautions When Using Audio
  Cassettes**" on **page 21**.

**1** Switch the system on by pressing the **On/Standby** button.

**2** Press the **TAPE** button.

**3** To open either Deck 1 or 2, press the corresponding **Stop/Eject**
  ( ■/▲ ) button.

**4** Insert the pre-recorded cassette with the open edge of the tape fac-
  ing downward.

**5** Close the deck by pushing on it until it clicks into place.

**6** Press the **Play** ( ▶ ) button corresponding to the selected deck to
  start listening to the cassette.

**7** Adjust the volume by turning the **Vol.** knob.

**8** To stop playback temporarily, press **Pause** ( ❚❚ ).
  Press **Pause** ( ❚❚ ) again to continue listening to the cassette.

**9**

| To... | Press Stop/Eject ( ■/▲ )... |
| --- | --- |
| Stop playing the cassette | Once |
| Open the cassette door | Twice |
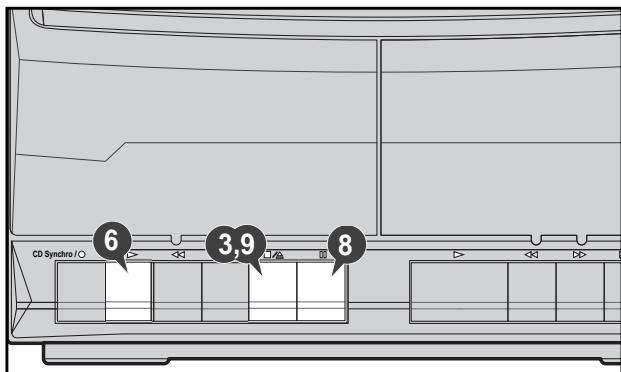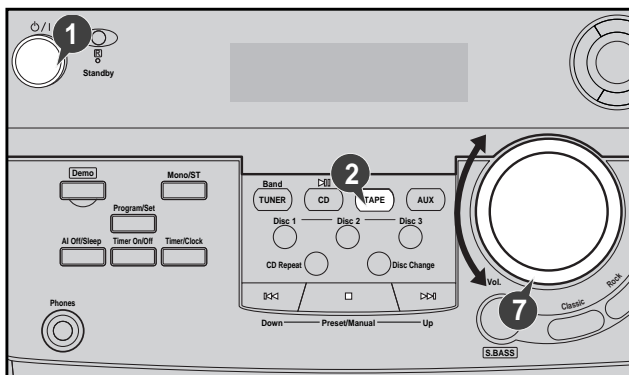
# Listening to Two Cassettes in Sequence

**You can only listen to one cassette at a time but you can
switch automatically from one deck to the other to listen to
two cassettes, one after the other.**

**1** Repeat Steps 1 to 5 above, inserting a cassette in each deck.

**2** Press the **Play** ( ▶ ) button corresponding to Deck 2.

**3** Press the **Play** ( ▶ ) and **Pause** ( ❚❚ ) at the same time for Deck 1.
  Result: The cassette in Deck 2 is played until the end of the tape is
  reached; the cassette in Deck 1 then starts playing automatically.
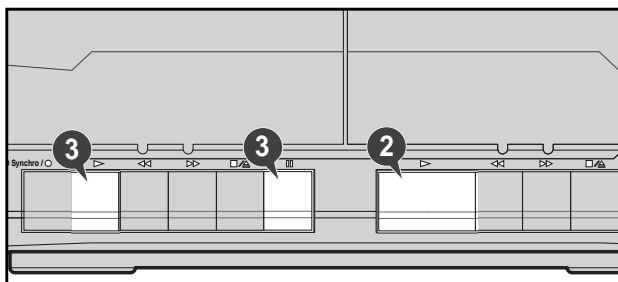
# Rewinding and Fast-Forwarding a Cassette

**You can rewind or fast-forward a cassette.**
  **Example: You wish to listen to a track again or fast-forward
  the cassette to the end when you have finished
  playing all the tracks on one side of the cassette.**

➣ Before fast-forwarding or rewinding the cassette, you must
  stop the playback.

☞ You can use this function while listening to a compact disc or
  radio programme.

**1** If necessary, press **Stop/Eject** ( ■/▲ ) for the appropriate deck to stop
  the playback.

**2**

| To... | Press... |
| --- | --- |
| Fast-forward the cassette | F/FWD ( ▶▶ ) |
| Rewind the cassette | REW ( ◀◀ ) |

➣ The rewind or fast-forward functions stop automatically when
  the beginning or end of the cassette is reached. The **Rew** ( ◀◀ )
  or **F/Fwd** ( ▶▶ ) button then returns to its original position.
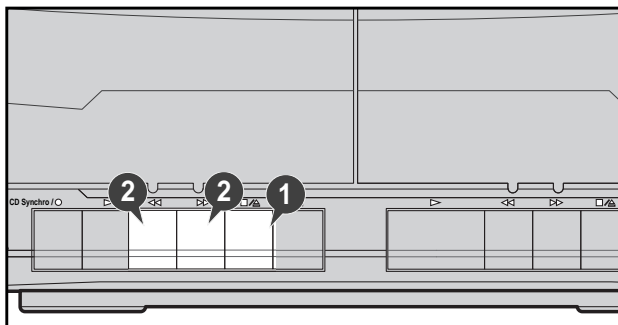
# Recording a Radio Programme

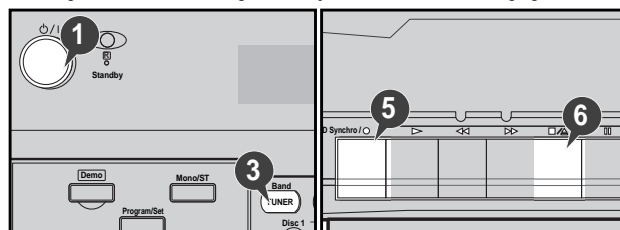**You can record a radio programme of your choice.**
- ♦ You can only record on cassettes in Deck 1.
- ♦ You can only record on normal bias cassettes.
- ♦ You do not need to adjust the volume, as it has no effect on recording.

**1** Switch your system on by pressing **On/Standby**.

**2** Insert a blank cassette in Deck 1.

**3** Press the **TUNER** button to select the radio function.

**4** Select the radio station that you wish to record.

**5** Press the **Record** ( ● ) button corresponding to Deck 1.
Result: Recording starts.

**6** Press **Stop/Eject** ( ■/▲ ) when you are ready to stop recording.

➤ You can press **Pause** ( ‖) during recording, if you wish to skip unwanted passages. Press **Pause** ( ‖) again when you want to start recording again.

# Recording a Compact Disc

**You can record a compact disc on a cassette placed in Deck 1.**

☛ ♦ You can only record on normal bias cassettes.
   ♦ You do not need to adjust the volume, as it has no effect on recording.

**You can start recording with any track on the compact disc.**

**1** Switch your system on by pressing **On/Standby**.

**2** Insert a blank cassette in Deck 1.

**3** Press the **CD** button.

**4** Select the required disc.

**5** Press the **CD** button and select the required track on the compact disc.

**6** Press the **Record** ( ● ) button corresponding to Deck 1.
Result: Recording starts.

**7** Press the **Pause** ( ‖ ) button corresponding to Deck 1 to stop recording temporarily.
Result: Recording stops but the compact disc continues playing.

➤ Press **Pause** ( ‖) a second time to start recording again.

**8** When you are ready to stop recording, press **Stop/Eject** ( ■/▲ ) for the cassette deck and **Stop** ( ■ ) for the compact disc player.

➤ If you cannot press the **Record** ( ● ) button, check that the cassette has been inserted correctly and the safety tabs are intact.
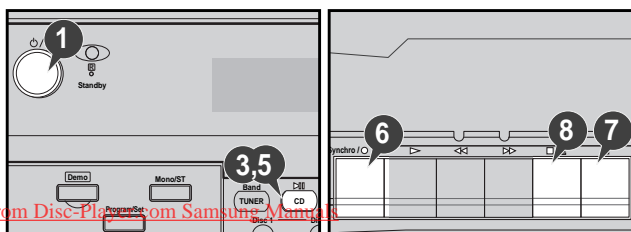
# Copying a Cassette (Dubbing)

**You can copy a cassette from Deck 2 to Deck 1. Two options are available:**
- ♦ Normal speed dubbing
- ♦ High-speed dubbing

☛ ♦ Take care not to insert the tape to be copied in Deck 1, as it will be erased when you start recording.
   ♦ You do not need to adjust the volume, as it has no effect on the recording.

**1** Switch your system on by pressing **On/Standby**.

**2** Insert a blank cassette in Deck 1.

**3** Insert the tape to be copied in Deck 2.

**4** Press the **TAPE** button to select the cassette function.

**5** Press **Record** ( ● ) for Deck 1.

**6** Press **Play** ( ▶ ) for Deck 2.

**7** To copy a cassette at high speed, press **Hi Speed Dubbing**.
Result: The cassette is copied and the **H DUBB** indicator flashes.

**8** When you have finished recording, press the **Stop/Eject** ( ■/▲ ) buttons for both Deck 1 and Deck 2.

☛ It is an infringement of copyright laws to copy records and pre-recorded cassettes CD or radio programmes or to re-record them in any form without the permission of the owners of the corresponding copyright.

➤ ♦ The sound quality of cassettes copied using high-speed dubbing is lower than with normal dubbing.
   ♦ It is recommended that you turn the volume down during high-speed dubbing, due to the high-pitched sound.
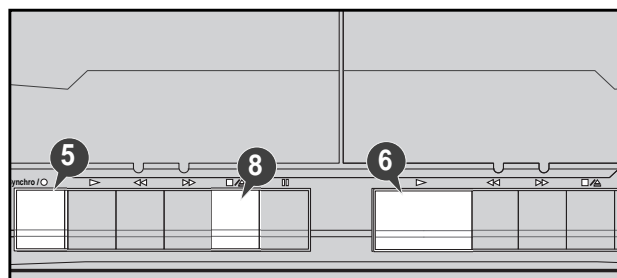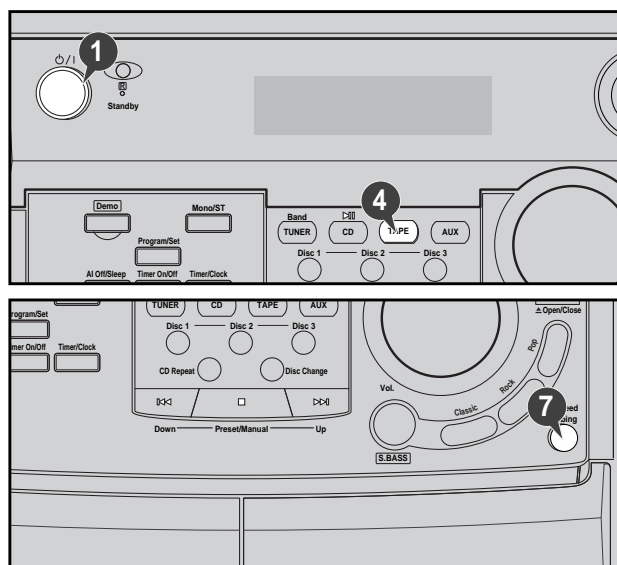
# Timer Function

The timer enables you to switch the system on or off at specific times.
**Example: You wish to wake up to music every morning.**

➤ If you no longer want the system to be switched on or off automatically, you must cancel the timer.

☞ ◆ Before setting the timer, check that the current time is correct.
◆ For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

**1** Switch the system on by pressing **On/Standby**.

**2** Press **Timer/Clock** until ⊙ **TIMER** is displayed.

**3** Press **Program/Set**.
Result: **ON TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-on time already set; you can set the timer switch-on time.

**4** Set the timer switch-on time.
  **a** Set the hour by pressing **Tuning** ∨ and ∧ .
  **b** Press **Program/Set**.
  Result: The minutes flash.
  **c** Set the minutes by pressing **Tuning** ∨ and ∧ .
  **d** Press **Program/Set**.
  Result: **OFF TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-off time already set; you can now set the timer switch-off time.

**5** Set the timer switch-off time.
  **a** Set the hour by pressing **Tuning** ∨ and ∧ .
  **b** Press **Program/Set**.
  Result: The minutes flash.
  **c** Set the minutes by pressing **Tuning** ∨ and ∧ .
  **d** Press **Program/Set**.
  Result: **VOL XX** is displayed, where **XX** corresponds to the volume already set.

**6** Press **Tuning** ∨ and ∧ to adjust the volume level and press **Program/Set**.
Result: The source to be selected is displayed.

**7** Press **Tuning** ∨ and ∧ to select the source to be played when the system switches on.

| If you select... | You must also... |
|---|---|
| TUNER (radio) ·············· a | Select the FM or AM frequency band by pressing **Tuning** ∨ and ∧ . |
| | b Press **Program/Set**. |
| | c Select a preset station by pressing **Tuning** ∨ and ∧ . |
| CD (compact disc) ··········· a | Load one or more compact discs. |

**8** Press **On/Standby** to set the system to standby mode.
Result: **TIMER** is displayed to the bottom left of the time, indicating that the timer has been set. The system will switch on and off automatically at the required times.

➤ If the timer switch on and off times are identical, the word
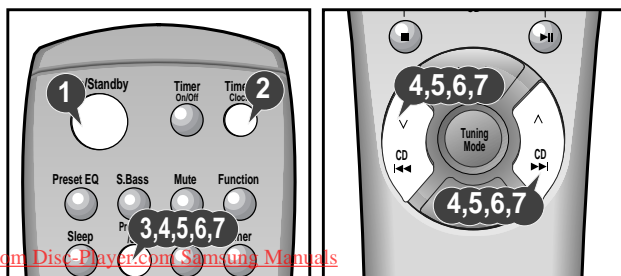
# Cancelling the Timer

**ERROR** is displayed.

After having set the timer, it will start automatically as shown by the TIMER indication on the display. If you no longer wish to use the timer, you must cancel it.

➤ You can stop the timer at any time (system on or in standby mode).

| To... | Press TIMER-ON/OFF... |
|---|---|
| Cancel the timer ···················· | Once.<br>Result: ⊙ is no longer displayed. |
| Restart the timer ···················· | Twice.<br>Result: ⊙ is displayed again. |
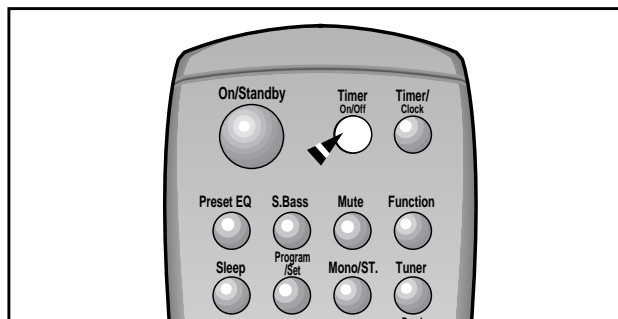


# Setting the System to Switch off Automatically

While listening to a compact disc or a cassette, you can set the system to switch off automatically
**Example: You wish to go to sleep to music.**

**1** Press **AI Off/Sleep**.
Result: playback starts and the following indications are displayed:

**2** Press **AI Off/Sleep** one or more times to indicate how long the system should continue playing before it switches off:

**90 MIN**

┌─► (AI SLEEP) ──► 90 MIN ──► 60 MIN ──► 45 MIN ─┐
└──── OFF ◄── 15 MIN ◄── 30 MIN ◄────────────┘

At any time, you can:
➤ ◆ Check the remaining time by pressing **AI Off/Sleep**
◆ Change the remaining time by repeating Steps **1** and **2**

**3** Press **AI Off/Sleep** one or more times until **AI SLEEP** is displayed.
Result: The system will automatically switch off at the end of disc or cassette.

**4** To cancel SLEEP or AI OFF function, press **AI Off/Sleep** one or more times until **OFF** is display.
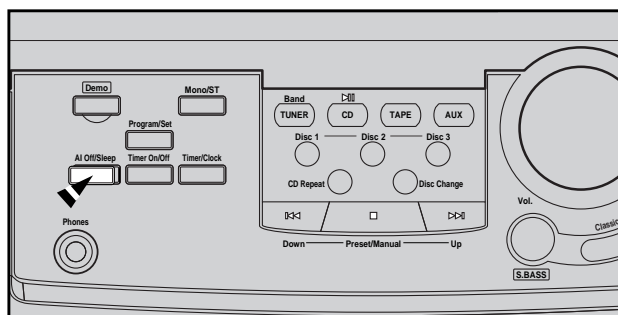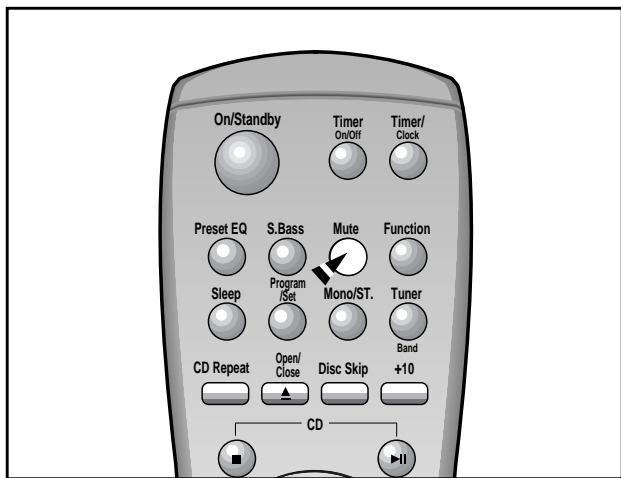
# Mute Function

You can turn the sound off temporarily on your system.
<u>Example</u>: You wish to answer a telephone call.

**1**  Press **Mute** on the remote control.
<u>Result</u>: The equalizer symbols are no longer displayed, the speaker symbols flash and the sound is switched off.

**2**  To switch the sound back on, press **Mute** again or the **VOL.** buttons.

# Super Bass Sound

Your mini-compact system has a bass amplification function called SBS (Super Bass Sound). This function makes the sound more powerful and real.

**1**  Press the **S. Bass** button.
<u>Result</u>: **SBS ON** is displayed for a few seconds.

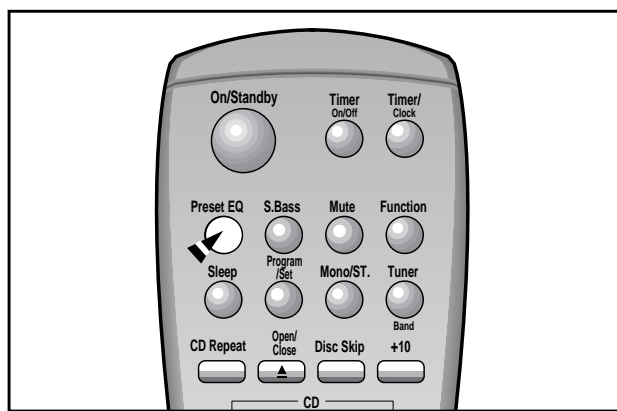**2**  To cancel this function, press **S. Bass** again.

# Selecting an Equalizer Preset

Your mini-compact system is equipped with a preset equalizer that allows you to choose the most appropriate balance between treble and bass frequencies, according to the type of music you are listening to.

Press **Preset EQ** on the remote control until the required option is selected.
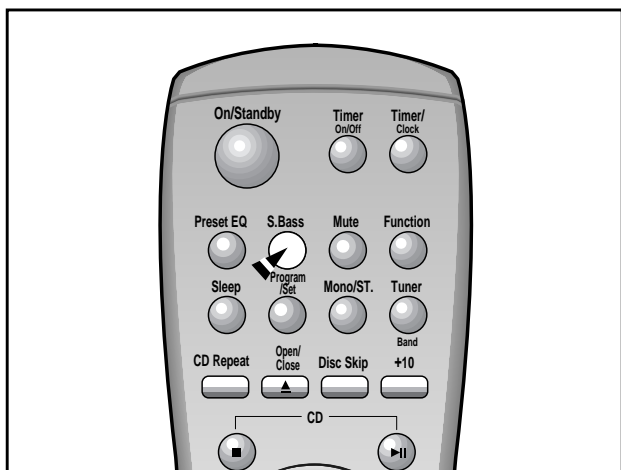
| To obtain a... | Select... |
| --- | --- |
| Normal balance (linear) | PASS |
| Balance suitable for pop music | POP |
| Balance suitable for rock music | ROCK |
| Balance suitable for classic music | CLASSIC |

# Power Sound Function

This machine is equipped with the function of POWER SOUND, which amplifies bass and improves high key or bass twice as much for you to appreciate powerful real surround-sound.

**1**  Press **Power Sound** button on the front panel.
<u>Result</u>:  ◆ The **Power Sound** button on the front panel lights up green.
◆ **P-SOUND** is displayed for a few seconds.
◆ A more powerful resonant sound is diffused.

**2**  To cancel this function, press **Power Sound** again.
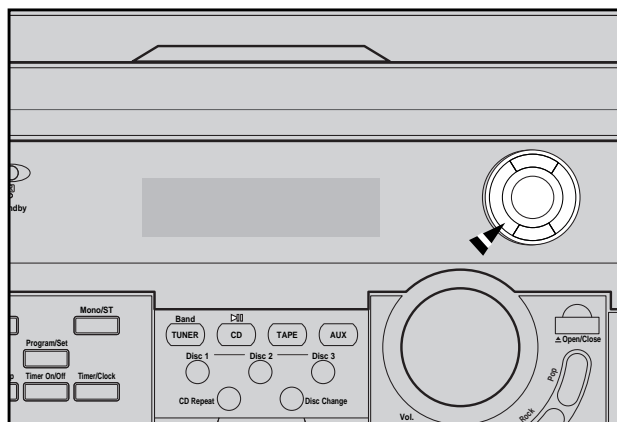
## CD DIGITAL OUT Jack (option)

This unit can output CD digital sound signals through this jack. Use an optical cable to connect digital audio equipment. (DAT deck, MD recorder, etc.).
Remove the dust cap (1) from the CD DIGITAL OUT jack. Then, connect an optical cable plug to the CD DIGITAL OUT jack.
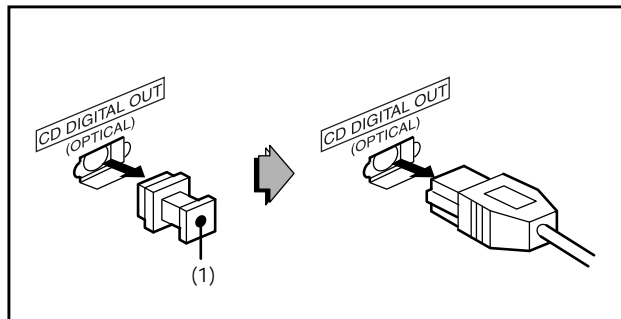


**When the CD DIGITAL OUT jack is not being used**
Attach the supplied dust cap.
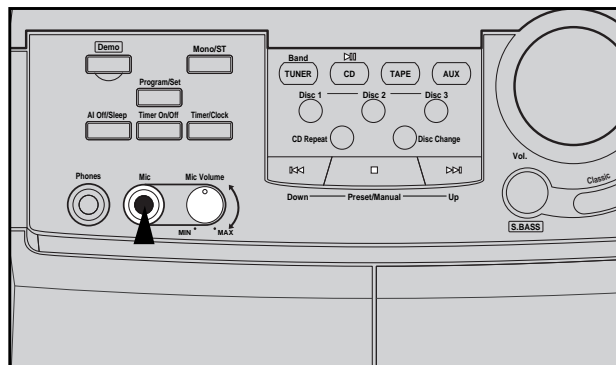
## Microphone Function (option)

**The microphone enables the user to mix in his or her vocals to sing-along with the music.**

Preparation

Plug the microphone with a 6.3mm phone jack into microphone terminal.

➤ Turn the MIC MIXING switch to adjust the mic volume.

The auxiliary input can be used to take advantage of the sound quality of your mini-compact system when listening to other sources.

Examples: ♦ A television
♦ A video disc player
♦ A DAT or DCC cassette player
♦ A Hi-Fi stereo video cassette recorder

➤ To connect the external source, the source must have an audio output. In addition, you need an RCA connection cable.

**1** Set the system to standby mode and disconnect it and the external source from the main.

**2** Connect the audio cable to the rear of the mini-compact system.

| Connect the... | To the connector marked... |
| --- | --- |
| Red jack ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯ | R (right) |
| White jack ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯ | L (left) |

➤ For optimum sound quality, do not invert the right and left channels.

**3** Plug the system back into the main socket and press **On/Standby** to switch it on.

**4** Select the AUX source by pressing **AUX** on the front panel or **Function** on the remote control one or more times.
Result: AUX is displayed.

**5** Switch the external source on.

**6** Adjust the volume and balance as required:
♦ Volume     ♦ Equalizer

Example: You can watch a film and take advantage of stereo sound provided that the original sound track is in stereo, (as if you were in a cinema).
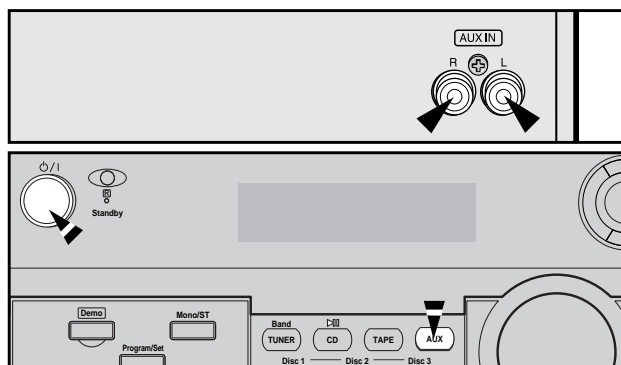
**You can connect a set of headphones to your mini-compact system so that you can listen to music or radio programmes without disturbing other people in the room. The earphones must have a 6.3 mm jack or an appropriate adapter.**
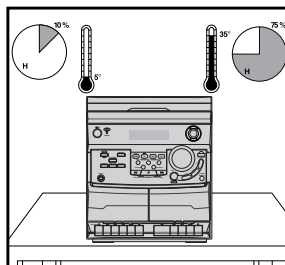
Connect the headphones to the **Phones** 🎧 jack on the front panel.
Result: The loudspeakers are no longer used to output the sound.

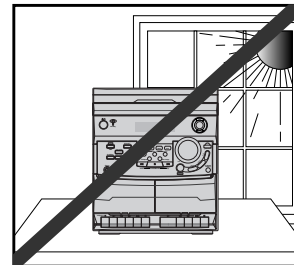☞ Prolonged use of headphones at a high volume may damage your hearing.
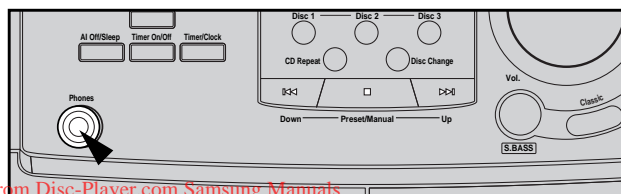
**The following diagrams illustrate the precautions to be taken when using or moving your mini-compact system.**



Ambient operating conditions:
Ambient temperature      5°C-35°C
Humidity                 10-75%



Do not expose the unit to direct sun radiation or other heat sources. This could lead to overheating and malfunction of the unit.
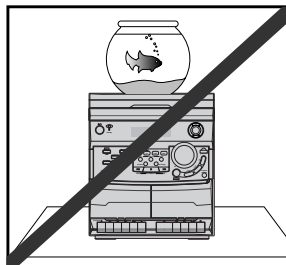


Do not place potted plants or vases on top of the unit. Moisture entering the unit could lead to dangerous electric shock and can cause equipment damage. In such events immediately disconnect the main plug from the socket.
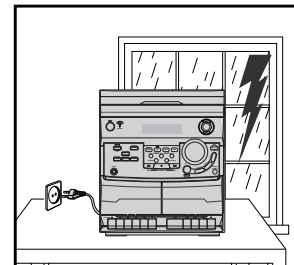


During thunderstorms, disconnect the main plug from the socket. Main voltage peaks due to lightning could damage the unit.
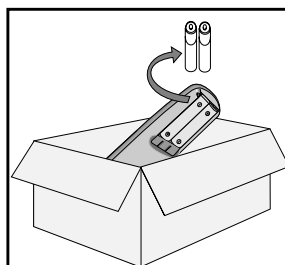


Remove the batteries from the remote control, if not used for any extended periods.
Leaking batteries can cause serious damage to the remote control.
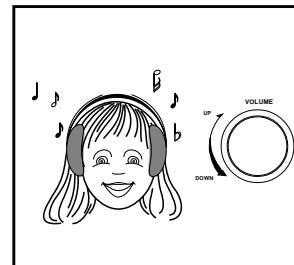


When using headphones, take care not to listen at excessive volumes. Extended use of headphones at high volumes will lead to hearing damage.
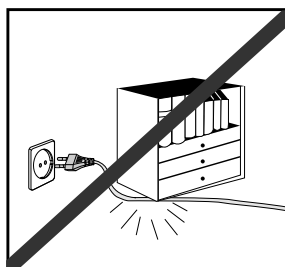


Do not place heavy items on the main lead. Main cable damage can lead to damage of the equipment (fire hazard) and can cause electric shock.
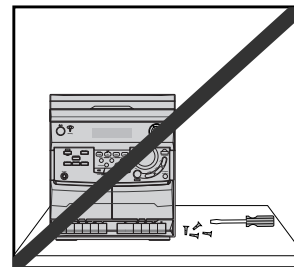


Do not remove any equipment panels. The inside of the unit contains live components, which cause electric shock.

# Cleaning Your Mini-Compact System

**To obtain the best possible results from your mini-compact system, you must clean the following elements regularly:**

♦ The outer casing
♦ The compact disc player
♦ The cassette players (heads, rollers and drive capstans)
☞ Always unplug the system from the wall outlet:
  ♦ Before cleaning it
  ♦ If you are not going to be using it for a long time

## *Outer Casing*
Clean the outer casing regularly using a soft cloth and a light detergent. Do not use abrasive powders, liquids or aerosol cleaners. Never let any liquids get into the system.
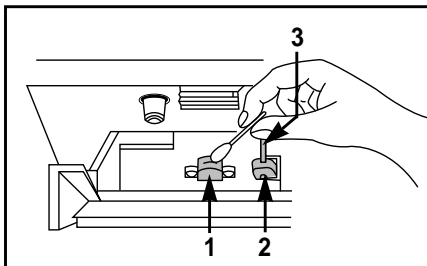
## *Compact Disc Player*
**1** Before playing a compact disc, clean it with a special CD cleaning agent. Do not use the same cleaning agents as for vinyl LP records. Carefully wipe the disc from the centre outward.

**2** Regularly clean the player with a special cleaning disc (available from your local dealer).

## *Tape Decks*
**1** Press **Stop/Eject**( ■/▲ ) to open the cassette deck.

**2** Use a cotton bud and a special cassette cleaning agent to clean the:
♦ Head (1)
♦ Rollers (2)
♦ Drive capstans (3)

☞ ♦ If you will not be using the remote control for a long time, remove the batteries to prevent corrosion.
♦ Although your system is very hard-wearing, it should not be used in an excessively dusty environment or subjected to shocks or extreme heat (close to heating appliances or in direct sunlight, etc.).
♦ If the unit emits an unpleasant odor when in use, unplug it from the main supply and contact the after-sales service.

# Precautions When Using Compact Discs

♦ Handle your compact discs with care. Always hold them by the edges to avoid leaving fingerprints on the shiny surface.
♦ When you have finished playing a compact disc, always put it back in its case.
♦ Do not fix paper or adhesive tape to the discs and do not write on the label.
♦ Clean them with a special-purpose cloth.
♦ Store your compact discs in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.
♦ Always use compact discs marked. 
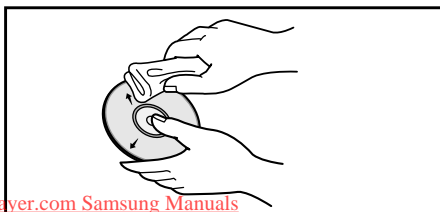
# Precautions When Using Audio Cassettes

♦ Check that the tape in the cassette is sufficiently taught.
♦ To prevent erasing a cassette that you wish to keep, remove the safety tab on the upper edge of the cassette. To record a cassette, where the tab has been broken, simply cover the opening with adhesive tape.
♦ When you have finished playing a cassette, always put it back in its case.
♦ Store your cassettes in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.
♦ Avoid using 120-minute cassettes as they place unnecessary strain on the tape mechanism.

# Before Contacting the After-Sales Service

It always takes a little time to become familiar with a new appliance. If you have any of the problems listed below, try the solutions given. They may save you the time and inconvenience of an unnecessary service call.

| | Problem | Checks/Explanation |
|---|---|---|
| **G E N E R A L** | The system does not work | • The main lead is not correctly plugged into a wall socket or the wall socket is not switched on. <br> • The remote control batteries need replacing or the polarity has not been respected. <br> • The **On/Standby** button has not been pressed. |
| | There is no sound | • The volume has been completely turned down. <br> • The correct function (TUNER, TAPE, CD, AUX) has not been selected. <br> • You have connected a set of earphones. <br> • The loudspeaker wires have been disconnected. <br> • The **Mute** button has been pressed. |
| | The Timer does not work | • The timer has been stopped by pressing **Timer On/Off**. |
| **C D** | The compact disc player does not start playing | • The **CD** function has not been selected. <br> • The disc has been inserted face down or is either dirty or scratched. <br> • The laser sensor is dirty or dusty. <br> • The system has not been installed on a flat, horizontal surface. <br> • Condensation has formed in the player; leave the system in a warm, airy room for at least one hour. |
| **C A S S E T T E S** | The tape does not start playing | • The **TAPE** function has not been selected. <br> • The cassette has not been inserted correctly. <br> • The cassette player has not been closed. <br> • The tape is either slack or broken. |
| | The volume falls off <br> The cassette is not erased correctly <br> There is excessive wow and flutter | • The audio heads are dirty. <br> • The rollers or drive capstans are dirty. <br> • The tape is worn. |
| **R A D I O** | Reception is poor or no radio stations are received at all | • The **TUNER** function has not been selected. <br> • The radio frequency has not been correctly selected. <br> • The aerial has been disconnected or is not facing the right way. Turn it until you find the best orientation. <br> • You are in a building that blocks radio waves; you must use an outside aerial. |

If the above guidelines do not allow you to solve the problem, take a note of:
♦ The model and serial numbers, normally printed on the rear of the system
♦ Your warranty details
♦ A clear description of the problem
Then contact your local dealer or SAMSUNG after-sales service.

# Technical Specifications

**SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.**

**RADIO**

**LW (OPTION)**

| | |
|---|---|
| Usable sensitivity | 1000 µV |

**SW (OPTION)**

| | |
|---|---|
| Usable sensitivity | 80 µV |

**MW (AM)**

| | |
|---|---|
| Signal/noise ratio | 40 dB |
| Usable sensitivity | 500 µV |
| Total harmonic distortion | 2 % |

**FM**

| | |
|---|---|
| Signal/noise ratio | 60 dB |
| Usable sensitivity | 3 µV |
| Total harmonic distortion | 0.5 % |

**COMPACT DISC PLAYER**

| | |
|---|---|
| Capacity | 3 discs |
| Frequency range | 20 Hz - 20 KHz (± 1 dB) |
| Signal/noise ratio | 90 dB (at 1 KHz) with filter |
| Distortion | 0.05 % (at 1 KHz) |
| Channel separation | 80 dB |
| Disc sizes | Diameter: 120 or 80 mm. Thickness: 1.2 mm |

**TAPE DECK**

| | |
|---|---|
| Frequency range | 125 Hz ~ 8 KHz |
| Signal/noise ratio | 40 dB |
| Channel separation | 33 dB |
| Erasing effect | 60 dB |

**AMPLIFIER**

| | |
|---|---|
| Output power (4 Ω) | 2 x 15 Watts RMS (total harmonic distortion: 10 %)·············· Only MAX-N22 |
| Output power (6 Ω) | 2 x 40 Watts RMS (total harmonic distortion: 10 %)·············· Only MAX-N25 |
| Channel separation | 50 dB |
| Signal/noise ratio | 75 dB |

**GENERAL**

| | |
|---|---|
| Dimensions | 270 (W) x 317 (H) x 365 (D) mm |

THIS APPLIANCE IS MANUFACTURED BY:

**SAMSUNG**
**ELECTRONICS**